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SAPC	11062
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To:

From:

13 November 1956

It was discovered that the input tubes in the B unit monitor amplifiers were specially selected for proper operation. This was not a proper solution to the problem. If the cathode resistor in the first stage is raised from 1000 ohms to 1600 ohms, the input tubes should not require special selection.

The 1-kc crystal oscillator does not operate in some units because of improper bias on the transistor oscillator stage. In some units the resistor from collector to 28 volts is 30,000 ohms. This should be changed to 10,000 ohms. This will improve the stability and starting characteristics of the oscillator.

The heated covers for the B unit are accessory items. For this reason, the plastic covers should not be returned to the factory.

A simple mechanism for loading the B unit reels is manufactured by Magnicord, Inc. It is a model PT6-M transport. The sales office is located at 255 West Ohio Street, Chicago. This will be necessary if it is required to load the B units in locations where the duplication equipment is not available.

When I returned from that location I was requested to obtain a test tape recorded at one frequency for approximately 15 minutes. This type of tape is not available, and one manufacturer stated that he would not make such a tape.

You are still on the books for \$18.75 at the local field site.

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Schultz has returned to the ZI on emergency leave. [redacted] is leaving on November 15th as a permanent replacement. [redacted] leaves November 19th for the second location.

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Three field engineers have accepted positions with us. They are Gerald [redacted] These men will probably be working with Systems 1 and 3.

It is important that your weekly reports be continued. In these reports, include anything that should be added to the manuals and any revisions that should be made to the manuals.

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